

20020526.qrp v02\_n567.qrl.20020526

Date: Sun, 26 May 2002 19:03:12 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2567

QRP-L Digest 2567

Topics covered in this issue include:

- 1) [127324] One more FDIM comment  
by Parker Buckley <buckley@iapdatacom.net>
- 2) [127325] June 1, 2002 is The Fifth Annual QRP TAC Sprint  
by "Ron Polityka" <wb3aal@fast.net>
- 3) [127326] Re: Who built tube transmitter for FDIM  
by "Howard Kraus" <K2UD@adelphia.net>
- 4) [127327] HB - fet vfos & NE602s  
by Harry Hurst <wa3ptg@comcast.net>
- 5) [127328] RE: Norcal Cascade Fun  
by Conrad Weiss <radman@best.com>
- 6) [127329] Fs Keyers & filters  
by Cwdx@webtv.net (Cw Opr)
- 7) [127330] Re: HB - fet vfos & NE602s  
by Pete Burbank <plburbank@kih.net>
- 8) [127331] [Ham-Com Information] HamCom 2002 Pre-Registration  
by "w5tb" <w5tb@arrl.net>
- 9) [127332] OT: DDS  
by "Brad Hernlem" <alihernlem@hotmail.com>
- 10) [127333] MC1648 RF oscillator  
by "Leon Heller" <leon\_heller@hotmail.com>
- 11) [127334] Re: Pelf Storage  
by "Leon Heller" <leon\_heller@hotmail.com>
- 12) [127335] Re: HB - fet vfos & NE602s  
by David Hinerman <WD8CIV@worldnet.att.net>
- 13) [127336] Hootowl Sprint  
by W2AGN <w2agn@w2agn.net>
- 14) [127337] Re: Who built tube transmitter...  
by "ss lyon" <sslyon@megalink.net>
- 15) [127338] Re: MC1648 RF oscillator  
by "James R. Duffey" <jamesd1@flash.net>
- 16) [127339] You Just Never Know  
by K1VP <k1vp@grizzly.com>
- 17) [127340] Re: You Just Never Know  
by "Steve McDonald" <jsm@gulfislands.com>
- 18) [127341] Re: Who built tube transmitter...  
by W2AGN <w2agn@w2agn.net>
- 19) [127342] Re: Pelf Storage

- by "Mike Yetsko" <myetsko@insydesw.com>
- 20) [127343] FS: TenTec 1208 6M/20M Transverter Kit  
by Ed Manuel <edmanuel@directvineternet.com>
- 21) [127344] Hoot Owl Sprint  
by "Rod N0RC" <rod@n0rc.com>
- 22) [127345] HP 8640B Manual Available  
by "Michael Melland" <w9wis@charter.net>
- 23) [127346] Re: You Just Never Know  
by "Oleg V. Borodin" <master72@lipetsk.ru>
- 24) [127347] 2002 FDIM and Build-a-thon Photos  
by "Jim Thiessen" <jthiessen@videotron.ca>

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Date: Sat, 25 May 2002 19:06:26 -0400  
From: Parker Buckley <buckley@iapdatacom.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [127324] One more FDIM comment  
Message-ID: <3CF018F2.EF72A047@iapdatacom.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I just hooked up with Dave Benson, who donated a qrp kit for the FDIM banquet. Thought I'd share my comments, which apply to several others in this great hobby:

Dave,

I'm the lucky guy with the lucky wife who won your DWS-II kit at the FDIM banquet.

Having a Norcal NC-20 and an Emtech on 30, the choice of bands is easy....I have an obvious need for a 40M monobander, so 40 it is!

Thanks very much for your generosity in presenting one of your kits as a door prize. It's you guys who make this hobby possible for those of us not as trained in the electrical arts. I attended the Thursday seminar, and while I could follow along with some of it (and especially enjoyed George Dobbs!) I continue to marvel at the creativity and dedication of the leaders in this hobby.

Parker WD8JOL, ARCI #10,000

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Date: Sat, 25 May 2002 19:45:33 -0400  
From: "Ron Polityka" <wb3aal@fast.net>

To: ".G-QRP Club" <GQRP@egroups.com>, ". QRP-L" <qrp-l@lehigh.edu>,  
". NJ QRP-L" <njqrp@njqrp.org>,  
Subject: [127325] June 1, 2002 is The Fifth Annual QRP TAC Sprint  
Message-ID: <000501c20446\$464a6e20\$fb3c5cd1@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Hello,

Don't forget about the Fifth Annual QRP Telephone Area Code (TAC) Contest sponsored by the EPA QRP Club on June 1, 2002 from 1800 to 2359 UTC. Everyone is welcome to join in on the fun.

Check out <http://www.n3epa.org> for contest information. There is also a DX section to the contest.

72 & Good DXing

Ron Polityka  
n3epa@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv  
<http://www.n3epa.org>

Eastern Pennsylvania QRP Club Call  
N3EPA E-mail address: n3epa@fast.net

-----  
Date: Sat, 25 May 2002 21:11:58 -0400  
From: "Howard Kraus" <K2UD@adelphia.net>  
To: <aluscre@neo.rr.com>  
Cc: <qrp-l@Lehigh.EDU>  
Subject: [127326] Re: Who built tube transmitter for FIDM  
Message-ID: <00e901c20452\$55ba5760\$07633018@buf.adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Mike Boatright is correct, Mike Branca, W3IRZ built an exquisite single tube transmitter often seen in 40's editions of the ARRL Handbook, QST and early editions of How to Become a Radio Amateur. True to the original it was constructed on varnished wooden strips.

I had the two-tube (6C4/5763) xtal controlled xmtr on the metal chassis and the solid-state regen rcvr. Mike's xmtr will be my next project. It's just too cool not to build!

72

Howard Kraus, K2UD

----- Original Message -----

From: "aluscre" <aluscre@neo.rr.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, May 25, 2002 2:34 PM

Subject: Who built tube transmitter for FDIM

> Who built tube transmitter for FDIM building competiton ? The project is  
> from the  
> pages of a vintage QST article The Most Inexpensive Transmitter a  
> complete  
> crystal osillator for \$3.95 by Byron Goodman.  
>  
>  
>  
>

-----  
Date: Sat, 25 May 2002 21:59:37 -0400

From: Harry Hurst <wa3ptg@comcast.net>

To: ko4wx@mindspring.com, nn1g@earthlink.net, w8diz@fpqrp.com,  
leon\_heller@hotmail.com, w3irz@att.net, w6toy@erols.com,

Subject: [127327] HB - fet vfos & NE602s

Message-ID: <HIEKLOODELDPNBOHKICHGEPACBAA.wa3ptg@comcast.net>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Guys, thanks a lot for your help. You've given me some things to think about before the next receiver project.

The 40 meter NE602 receiver I built last month had filtered, buffered vfo. The vfo had been built for another project, and seemed like overkill for a NE602 radio. But the radio is rock solid, virtually drift free, and sounds like a "real" radio. It'll be a fine companion for the Novice Special that's also on the workbench. My previous 40-meter receiver, the "Def-40" had a very descriptive name. Practice makes perfect, or at least pretty good.

The current receiver project has a hartly fet local oscillator, feeding the NE602 thru a small cap. It drifts like crazy, and has harmonic crud. If I'd used the transistor in the NE602, it would probably have been even worse, and wouldn't be very correctable. Instead, I'll "deconstruct" the vfo, and build it right, with proper buffering and filtering.

Love that manhattan style. This is more fun than a barrel of 817's & K2s.

72s

Hap, WA3PTG

Wilmington, DE

"500 thundering milliwatts of pure power."

-----  
Date: Sat, 25 May 2002 19:09:50 -0700  
From: Conrad Weiss <radman@best.com>  
To: "'Ed Kessler'" <edkess@pa.net>,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [127328] RE: Norcal Cascade Fun  
Message-ID: <01C2041F.BF4A2580@209-162-48-58.thegrid.net>

Hi Ed & fellow Cascadians,

As chance would have it, I've been building one of the original NorCal Cascade club kits that I purchased here on the list, back in March. What a total blast from the past the Cascade is !! This kit (1995) predates my involvement with NorCal and QRP-L, by a few years. It's very interesting to see the Sierra's influence on the rig's packaging and band-module scheme. The docs are nicely written and it's a fun build !

The Cascade has a really hot RX, and I've tweaked mine up, such that I'm very satisfied w/ it. The VFO takes a little while to "warm up" - but, I'd think that's pretty common for a rig in this price class. I can't comment on the PA section yet, as I've been short on time to fully complete it - mine hears well on both bands, but doesn't TX yet. From the notes, it sounds like we're encouraged to seek out an MRF477 (swap) for more PA punch ;)

Anyone have an extra MRF477 they'd like to unload ? :)

Based on my experience in building 90% of the Cascade (thus far), I'd bet a lot guys on this list would enjoy this low-power dual-band SSB rig. With the PA swap, it should run w/ the 20 watt class. I wonder if it could be "born again"- the 20w Cascade - MP; a field portable, dual-bander ? :)

Thanks to Doug Hendricks/KI6DS and John Liebenrood/K7R0 - and the endless list of the usual suspects who made this one possible :)!

Hope to hear from other Cascade fanatics - must be a few out there (?)

Best,

Conrad Weiss

NN6CW ..... ya know, Ed, it \*does\* have a high component count and a wad 'o toroids 'tho. Maybe the Cascade-MP could dump the band modules and go with latching band-switch relays and include a NOAA WX band module... <ooops, strike that last remark... I can see I'm veering into the land of Grail rigs agn ;) Sorry, I like it \*just\* the way it is :)!

-----  
From: Ed Kessler[SMTP:edkess@pa.net]  
Sent: Saturday, May 25, 2002 12:55 PM  
To: Low Power Amateur Radio Discussion  
Subject: Norcal Cascade Fun

Good afternoon,

I just finished building/tweaking a partially built Norcal Cascade that I received in a trade from Craig, NR4E. First QSO was on 20m with AA4HP, Bob in Titusville, FL. Sig report was 57.

On 20m the rig is putting out about 3 watts peak. Is this normal, average, or should I expect a bit more? I haven't built the 80m module yet, although I'm anxious to get it working on 80.

Any tips from other Cascade builders would be greatly appreciated. I do have the errata and some mod sheets.

Painted the enclosure my trademark "metalflake" Cherry Red. With black knobs and black tuning dial it looks cool or should I say, "hot." Hi.

73  
Ed AA3SJ

-----  
Date: Sat, 25 May 2002 21:07:19 -0500 (CDT)  
From: Cwdx@webtv.net (Cw Opr)  
To: qrp-1@lehigh.edu

Subject: [127329] Fs Keyers &filters  
Message-ID: <3995-3CF04357-1153@storefull-2311.public.lawson.webtv.net>  
Content-Disposition: Inline  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)

The xt-4 keyer and the Smart Filter have been spoken for. The Track  
Keyer is still available.  
Thanks all

-----  
Date: Sat, 25 May 2002 22:45:48 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [127330] Re: HB - fet vfos & NE602s  
Message-ID: <5.0.2.1.0.20020525222129.00abb8b0@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hap, FWIW, The Hartley on p.36 of "Solid State Design" by W7ZOI is really  
stable. (fig 7 ) I built one  
with a mysterious JFET called a 402302 (not an RCA # ) that I can't seem to  
find out who made it or specs  
and the VFO never wiggled for 2 days of testing. I never put it on the  
counter as my ears work fine.  
Are you really in Delaware??  
I have read that the place is a myth.:-)  
73 Pete NV4V

At 09:59 PM 5/25/2002 -0400, Harry Hurst wrote:

>Guys, thanks a lot for your help. You've given me some things to think  
>about before the next receiver project.

>

>The 40 meter NE602 receiver I built last month had filtered, buffered vfo.  
>The vfo had been built for another project, and seemed like overkill for a  
>NE602 radio. But the radio is rock solid, virtually drift free, and sounds  
>like a "real" radio. It'll be a fine companion for the Novice Special  
>that's also on the workbench. My previous 40-meter receiver, the "Def-40"  
>had a very descriptive name. Practice makes perfect, or at least pretty  
>good.

>

>The current receiver project has a hartly fet local oscillator, feeding the  
>NE602 thru a small cap. It drifts like crazy, and has harmonic crud. If I'd  
>used the transistor in the NE602, it would probably have been even worse,  
>and wouldn't be very correctable. Instead, I'll "deconstruct" the vfo, and

>build it right, with proper buffering and filtering.  
>  
>Love that manhattan style. This is more fun than a barrel of 817's & K2s.  
>  
>  
>72s  
>Hap, WA3PTG  
>Wilmington, DE  
>"500 thundering milliwatts of pure power."

-----  
Date: Sat, 25 May 2002 22:39:14 -0500  
From: "w5tb" <w5tb@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [127331] [Ham-Com Information] HamCom 2002 Pre-Registration  
Message-ID: <003b01c20466\$e8fa7aa0\$0300a8c0@altn1.tx.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Less than 2 weeks left for Pre-Registration and a chance at that Icom =  
706 Mark IIG.=20

We have a great QRP lineup:

Basic QRP Antenna Design Rick Hiller W5RH

Antennas for Field and Portable QRP Ed Manual N5EM

Beginning QRP Antenna Modeling Ron Sparks AQ5RS

A QRP Forum Doc Drake W5TB and Joe Spencer KK5NA

Preregistration has begun! Contact Joe KK5NA <mailto:kk5na@quadj.com>=20

to get on the list and be eligible for the drawing.

To see who is in the QRP Pre-Registration Drawing so far: PreRegistered =  
page!=20

If you haven't done it yet, please go to the web and sign up. =  
[www.hamcom.org](http://www.hamcom.org)=20



If you don't like doing it on the www then go to For a form to fax or =  
mail please click here. (Requires PDF Reader) on the PreRegistration =  
page or <https://secure.itexas.net/ham-com/Pre-Register.asp> and print =  
out the form for faxing or mailing.=20

HamCom is June 7 & 8 and go to [www.hamcom.org](http://www.hamcom.org) and =  
<http://www.quadj.com/hamcom2002.htm> for more information.=20  
72, 73, oo T.E. 'Doc' Drake, W5TB  
Arlington, Texas  
FISTS # 5365 QRPARCI # 3532 ARRL Life Member K1 #181 K2#1617=20

-----  
Date: Sun, 26 May 2002 04:54:14 +0000  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [127332] OT: DDS  
Message-ID: <F1401DdQcp0TkYtVjUQ000010f2@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

OK, so a Qualcomm Q0320-2 DDS board has fallen into my posession (part of  
some Siemens medical device with lots of microwave plumbing ... ).  
As I am looking at this board it seems to be some evaluation board with a  
bank of DIP switches as well as some connector for controlling it. It uses a  
Q2220I-50N chip and SONY CXD1171M. Anyone have a manual or info for this  
board?

Brad KG6IOE

-----  
Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

-----  
Date: Sun, 26 May 2002 13:14:11 +0100  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: "Low Power" <qrp-1@Lehigh.EDU>  
Subject: [127333] MC1648 RF oscillator  
Message-ID: <DAV34iR8JbpJPGoRG7e00003aac@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The Motorola MC1648 oscillator chip isn't made any more, having been replaced by the higher-performance and more expensive MC100EL1648, but is still a very useful device, and should still be available from some suppliers. It is discussed in the ARRL Handbook. I first played with it some 25 years ago. A friend of mine gave me a couple he had removed from a scrap PCB, which rekindled my interest.

Although intended as a VCO in VHF PLLs, the MC1648 works very well at HF, and has the advantage of only requiring a single winding on the coil - a true two-terminal oscillator. With pin 5 (AGC) simply decoupled, full AGC is applied, resulting in a square wave ECL level output. A variable sine wave output level can be obtained with a 5K pot from pin 5 to ground. When the desired output level has been established, the pot. may be replaced by a fixed resistor. 3K gave me 0.2V p-p output, for feeding into a broadband amplifier to produce the correct level for a diode DBM.

With a high-Q tuned circuit, the output should be quite pure, spectrally. Tuning may be achieved with a conventional tuning capacitor, or a suitable variable-capacitance diode.

The only disadvantage is that it takes quite a lot of current - about 25 mA.

It's very easy to use with ugly construction but I've designed a simple PCB, which includes the output amplifier. When I've finished testing it, I'll make the design available on my web site. It makes a useful general-purpose signal source - just solder in a suitable coil for the desired frequency range and use a counter to check the output frequency. I used it this way before I had a decent signal generator.

If anyone knows of a surplus source for these devices, could he/she post it here.

73, Leon

--

Leon Heller, G1HSM [leon\\_heller@hotmail.com](mailto:leon_heller@hotmail.com)

[http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

Low-cost Altera Flex design kit: <http://www.leonheller.com>

-----  
Date: Sun, 26 May 2002 12:25:39 +0000  
From: "Leon Heller" <[leon\\_heller@hotmail.com](mailto:leon_heller@hotmail.com)>  
To: [henryf@quartz.gly.fsu.edu](mailto:henryf@quartz.gly.fsu.edu), [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)  
Subject: [127334] Re: Pelf Storage  
Message-ID: <F143kMk2grWsRmGjJM100006e6d@hotmail.com>

Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>  
>Reply-To: henryf@quartz.gly.fsu.edu  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Pelf Storage  
>Date: Sat, 25 May 2002 17:15:19 -0400  
>  
>With a nod to the recent parts storage thread I must report that a recent  
>journey to  
>the local super Wal-Mart proved quite productive.  
>  
>In the fishing section I found something called a Renegade storage system  
>which  
>contained 4 divided removable trays in a wall mountable/field-portable  
>carrier. The  
>divided trays have adjustable partitions and are ideal for storing small  
>parts and  
>hardware. Dont think that they are static resistant so you might not want  
>to store IC's,  
>FET's etc in the cases

Just put some Al foil in the compartment. If you are paranoid about static,  
touch it before removing or storing parts.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon\_heller@hotmail.com  
My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)  
My low-cost Altera Flex design kit: <http://www.leonheller.com>

-----  
MSN Photos is the easiest way to share and print your photos:  
<http://photos.msn.com/support/worldwide.aspx>

-----  
Date: Sun, 26 May 2002 09:07:25 -0400  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-1@lehigh.edu  
Subject: [127335] Re: HB - fet vfos & NE602s  
Message-ID: <5.1.0.14.1.20020526090704.00b2db70@postoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:59 PM 5/25/2002 -0400, you wrote:

>Love that manhattan style. This is more fun than a barrel of 817's & K2s.

Hap,

That's why I bought an 817 - it's a piece of test equipment for building radios. It just so happens I can operate with it, too.

Dave

-----  
"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton  
-----

-----  
Date: Sun, 26 May 2002 09:50:17 -0400  
From: W2AGN <w2agn@w2agn.net>  
To: qrp-l@lehigh.edu  
Cc: soc@mailman.qth.net, njqrp@njqrp.org  
Subject: [127336] Hootowl Sprint  
Message-ID: <02052609501700.06813@jsielke>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Haven't seen much publicity, so just a reminder. Don't forget the Hootowl Sprint tonight, 8:00PM LOCAL time to Midnight LOCAL TIME.

Check out <http://personal.palouse.net/rfoltz/arci/hoot.htm> for details.

Hopefully, the Thunderstorms predicted here this evening will have moved on.

--

-----  
John L Sielke W2AGN  
w2agn@w2agn.net  
<http://www.w2agn.net>  
-----

Date: Sun, 26 May 2002 10:16:24 -0400

From: "ss lyon" <sslyon@megalink.net>  
To: <K2UD@adelphia.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [127337] Re: Who built tube transmitter...  
Message-ID: <000901c204bf\$eb67aca0\$aac7e742@megalink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Also check out KC1FB's artful creation in original "breadboard" style. I believe it was featured at ATLANTICON, so would be on the NJQRP web site.

73

AA1MY

-----  
Date: Sun, 26 May 2002 08:39:27 -0600  
From: "James R. Duffey" <jamesd1@flash.net>  
To: <leon\_heller@hotmail.com>, qrp-l <qrp-l@lehigh.edu>  
Subject: [127338] Re: MC1648 RF oscillator  
Message-ID: <B9164FBF.15DFC%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

I got several of these at Arkiecon from the guy who was selling them by the baggie. 5/\$1.00 or so. He doesn't do mail order.

One potential problem with the 1648 is that since it is intended for VHF use, when used on HF it can be prone to VHF parasitic oscillations if tight layout is not used. One way to cure these oscillations is by using ferrite beads on each of the inductor leads. This kills the VHF oscillation.

I don't know why these weren't (aren't) more popular in the ham world. The only receiver project that I can recollect using them was in the old Ham Radio Magazine in the late 80s. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5  
Cedar Crest, NM DM65

-----  
Date: Sun, 26 May 2002 10:59:58 -0400  
From: K1VP <k1vp@grizzly.com>  
To: qrp-l@lehigh.edu

Subject: [127339] You Just Never Know  
Message-ID: <20020526105958.5cb91a3f.k1vp@grizzly.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

This morning I worked on my OHR Explorer to align it better.  
After finishing I tuned above 060 and heard the tail end of a station  
calling in the CQ WPX. So I threw out my call and heard a ??.  
Threw out the call again, he came back and we did the full exchange no problem.  
Then I listened for his call as I missed it initially.

It was VK4DX.

Not bad for 2 watts in a contest. You just never know. Which is why  
this stuff is so much fun. Now back to the contest.

Ed Lawson  
K1VP

-----  
Date: Sun, 26 May 2002 08:09:56 -0700  
From: "Steve McDonald" <jsm@gulfislands.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [127340] Re: You Just Never Know  
Message-ID: <000401c204c7\$66745c20\$5811f4cc@jms>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> It was VK4DX.  
>  
> Not bad for 2 watts in a contest. You just never know. Which is why  
> this stuff is so much fun. Now back to the contest.

Nice haul Ed....the contests provide enormous opportunities for QRP fun.  
Last night while working at the bench, OH4A called CQ TEST right on my xtal  
frequency. Got him on the first call with my 20m Tuna Tin at 250mW for  
country # 17...it should be illegal to have this much fun!

Steve / VE7SL

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Date: Sun, 26 May 2002 11:02:32 -0400  
From: W2AGN <w2agn@w2agn.net>  
To: ss lyon <sslyon@megalink.net>,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [127341] Re: Who built tube transmitter...  
Message-ID: <02052611023201.06813@jsielke>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

On Sunday 26 May 2002 10:16, ss lyon wrote:  
> Also check out KC1FB's artful creation in original "breadboard" style. I  
> believe it was featured at ATLANTICON, so would be on the NJQRP web site.  
> 73  
> AA1MY

--

Sadly, the only pictures on the NJQRP web page from Atlanticon are of Ke3S's 4017 transverter. However, I believe the last QRP Quarterly had some good pictures.

-----  
John L Sielke W2AGN  
w2agn@w2agn.net  
<http://www.w2agn.net>

-----  
Date: Sun, 26 May 2002 11:37:14 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <leon\_heller@hotmail.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [127342] Re: Pelf Storage  
Message-ID: <006f01c204cb\$516c00e0\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Leon Heller" <leon\_heller@hotmail.com>  
>

> Just put some Al foil in the compartment. If you are paranoid about  
static,  
> touch it before removing or storing parts.

>  
> 73, Leon

A lot of people loose sight of the fact that it's not static electricity that kills parts, it's the sudden change with a discharge that kills parts.

I'm sure most people have heard the joke it's not the speed that kills, it's the sudden stops. Or parachutes that say it's not the fall, it's the bounce at the end...

Same thing here with static sensitive parts.

Your suggestion to line bins with foil is excellent. As far as it goes. So long as users remember to TOUCH the foil before picking up the parts. However, be careful. You could have a 'full bin' and touching the foil could (theoretically) take the 'cup' to your body potential but a part on the top of the pile might still be slightly different.

When I carry parts around, I ALWAYS wrap them in my whole hand, and make sure I touch the workspace ground (or equipment frame) before I open my hand.

It doesn't hurt a part to change it's state (charge wise), but it can kill it when you put DIFFERENT potentials on it's pins with static.

I haven't trashed a part (I suspect, and I'm pretty confident about it) in over 20 years. You just have to have the mindset when you handle sensitive parts. And I've worked in labs that were set up in offices with carpeting...

Mike

-----  
Date: Sun, 26 May 2002 11:30:49 -0500  
From: Ed Manuel <edmanuel@directvinternet.com>  
To: qrp-1@lehigh.edu  
Subject: [127343] FS: TenTec 1208 6M/20M Transverter Kit  
Message-ID: <4.3.2.7.2.20020526113003.00c69690@mail.directvinternet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,



For sale: TenTec Model 1208 Transverter kit. Converts 6 meters to 20 meters for use with any 20 meter rig you may have. Specs on the Ten Tec site. Still packaged from Ten Tec, bags never opened. \$75.

Shipping is included in the price or local pickup in Houston, TX.

Ed, N5EM  
n5em@amsat.org

-----  
Date: Sun, 26 May 2002 13:08:13 -0600  
From: "Rod N0RC" <rod@n0rc.com>  
To: "Elecraft-list" <elecraft@mailman.qth.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [127344] Hoot Owl Sprint  
Message-ID: <008d01c204e8\$af4c1d40\$6501a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks,

I want to add my voice to the chorus, and encourage everyone to join in the fun tonight. Details at:

<http://personal.palouse.net/rfoltz/arci/hoot.htm>

Don't be concerned if you are not a contesteer, this event is as much fun as an ARS Sprint, and operators of all skill levels are welcome.

Listen for me on 20m early on, conditions on 20 have been pretty good the last few nights up until about 10pm local. Heck I may even give 15m a try.

Conditions are looking pretty good so far here is the latest WWV report:

:Product: Geophysical Alert Message www.txt  
:Issued: 2002 May 26 1805 UTC  
# Prepared by the US Dept. of Commerce, NOAA, Space Environment Center  
#

# Geophysical Alert Message

#

Solar-terrestrial indices for 25 May follow.

Solar flux 183 and mid-latitude A-index 3.

The mid-latitude K-index at 1800 UTC on 26 May was 3 (24 nT).

No space weather storms were observed for the past 24 hours.

Space weather for the next 24 hours is expected to be minor.

Radio blackouts reaching the R1 level are expected.

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Given no cataclysmic "Solar Event", tonight should be a real fun time.

73, Rod NØRC

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Date: Sun, 26 May 2002 14:11:33 -0500

From: "Michael Melland" <w9wis@charter.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,  
<fpqrp-l@fpqrp.com>, <njqrp@njqrp.org>

Subject: [127345] HP 8640B Manual Available

Message-ID: <000701c204e9\$264a74a0\$92b87044@computer>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

If anyone needs the latest HP 8640B (not the 323) signal generator manual drop me a email. I have the last and latest "TM 9-4935-601-14-7P Operator, Organizational and DS/GS Maintenance Manual, US Army 1986" in Adobe .pdf format. If you need a copy and send me a cd with postage I can burn you a copy. Alternately if you are brave and can accept a BIG email attachment I could try sending it... it's 10.6 MB.

Drop me an email first if you are interested.

Mike

--

Michael Melland, W9WIS

Winneconne, Wisconsin USA EN54pc

qrp-l #1656 - qrp-parci # 9875 - iparc #252

ars #1075 - <http://www.qsl.net/w9wis>

-----  
Date: Mon, 27 May 2002 00:45:34 +0400  
From: "Oleg V. Borodin" <master72@lipetsk.ru>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [127346] Re: You Just Never Know  
Message-ID: <002701c204f7\$b1a1cf40\$ace422c3@lipetsk.ru>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

Dear OMs!

I use NorCal-20 tcvr in CQ WPX 2 watts out to LW antenna. I working not for high result, but looking for new countries QRP for me. Also heard VK4DX, called him more times, but nothing, sorry. Having a great pleasure with new QRP countries for me as A61, JY, TA0. Glad for some QSO with US-stations, JA, a lot of Europe.

I want to say the Contest is a good chance for QRPers to increase the QRP-DXCC collection. Certainly, having the better antenna then my LW, my results were a fully.

BCNU & 72! de RV3GM/QRP Oleg

-----  
: K1VP <k1vp@grizzly.com>  
: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
: 26 2002 . 18:59  
: You Just Never Know

> This morning I worked on my OHR Explorer to align it better.  
> After finishing I tuned above 060 and heard the tail end of a station  
> calling in the CQ WPX. So I threw out my call and heard a ??.  
> Threw out the call again, he came back and we did the full exchange no  
problem.  
> Then I listened for his call as I missed it intially.  
>  
> It was VK4DX.  
>  
> Not bad for 2 watts in a contest. You just never know. Which is why  
> this stuff is so much fun. Now back to the contest.  
>  
> Ed Lawson  
> K1VP  
>

-----  
Date: Sun, 26 May 2002 18:47:22 -0400  
From: "Jim Thiessen" <jthiessen@videotron.ca>  
To: <qrp-l@Lehigh.EDU>  
Subject: [127347] 2002 FDIM and Build-a-thon Photos  
Message-ID: <000501c20507\$4c8fd600\$1e02a8c0@WorkGroup>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Go to <http://pages.infinit.net/va3kv/> and follow the links...

If you spot any broken links, let me know....

72's

Jim  
VA3KV

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End of QRP-L Digest 2567  
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